



**Rules and  
Regulations for  
the Classification  
of Naval Ships,  
January 2008**

**Notice No. 3**

Effective Date of Latest  
Amendments:

See page 1

Issue date: November 2008

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# RULES AND REGULATIONS FOR THE CLASSIFICATION OF NAVAL SHIPS, *January 2008*

## Notice No. 3

This Notice contains amendments within the following Sections of the *Rules and Regulations for the Classification of Naval Ships, January 2008*. The amendments are effective on the dates shown:

<b>Volume</b>	<b>Part</b>	<b>Chapter</b>	<b>Section</b>	<b>Effective date</b>
1	1	1	2, 3, 4, 5	1 November 2008
1	1	2	4	Corrigenda
2	2	1	9, 11, 12, 14, 15	Corrigenda
2	9	1	2	1 January 2009
3	1	7	1	Corrigendum

It will be noted that the amendments also include corrigenda, which are effective from the date of this Notice.

The *Rules and Regulations for the Classification of Naval Ships, January 2008* are to be read in conjunction with this Notice No. 3. The status of the Rules is now:

Rules for Naval Ships	Effective date:	January 2008
Notice No. 1	Effective date:	1 March 2008
Notice No. 2	Effective dates:	1 May 2008, 1 August 2008 1 January 2009 & Corrigenda
Notice No. 3	Effective dates:	1 November 2008, 1 January 2009 & Corrigenda

## Part 1, Chapter 1

### General Regulations

Effective date 1 November 2008

#### Section 2

2.1 LR remains the sole classification society in the LR Group. LR is managed by a ~~corporate trustee Lloyd's Register Trustees Limited~~ Board of Trustees (hereinafter referred to as 'LR's trustee the Board').

LR's trustee The Board has:

Appointed a Classification Committee and determined its powers and functions;  
Appointed Technical Committees and determined their powers, functions and duties.

2.2 The LR Group has established National and Area Committees in the following:

Countries:	Areas:
Australia (via Lloyd's Register Asia)	Benelux (via Lloyd's Register EMEA)
Canada (via Lloyd's Register North America, Inc.)	Central America (via Lloyd's Register Central and South America Ltd)
China (via Lloyd's Register Asia)	Nordic Countries (via Lloyd's Register EMEA)
Egypt (via Lloyd's Register EMEA)	South Asia (via Lloyd's Register Asia)
Federal Republic of Germany (via Lloyd's Register EMEA)	Asian Shipowners (via Lloyd's Register Asia)
France (via Lloyd's Register EMEA)	Greece (via Lloyd's Register EMEA)
Italy (via Lloyd's Register EMEA)	
Japan (via Lloyd's Register Asia)	
New Zealand (via Lloyd's Register Asia)	
Poland (via Lloyd's Register (Polska) Sp zoo)	
Spain (via Lloyd's Register EMEA)	
United States of America (via Lloyd's Register North America, Inc.)	

#### Section 3

3.1 LR's Technical Committee is at present composed of:

Ex officio members:	TOTAL
• The Chairman of Lloyd's Register Holdings (LRH) LR	1
• The Chairman of the Classification Committee	1
Members Nominated by:	
• The General Committee of Trustees of LRH Board	18
• The Royal Institution of Naval Architects	2
• The Institution of Engineers and Shipbuilders in Scotland	2
• The Institute of Marine Engineers	2
• The Institution of Mechanical Engineers	2
• The Shipbuilders' and Shiprepairers' Association	2
• The Short Sea Group of the Chamber of Shipping	1
• The Society of Consulting Marine Engineers and Ship Surveyors	1
• The Institute of Materials	1
• The UK Steel Association	1
• The Honourable Company of Master Mariners	2
• The Institution of Electrical Engineers	1
• Federation of British Electrotechnical and Allied Manufacturers' Associations	1
• The Technical Committee	18
• The Technical Committee (from other countries)	18
• The Institute of Refrigeration	1
• International Oil Companies	2
• Association of European Shipbuilders and Shiprepairers	1
• Greek Shipping Co-operation Committee	1

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3.3 All elections are subject to confirmation by ~~LR's trustee~~ the Board.

3.5 The term of office of the Chairman and of all members of the Technical Committee is five years. Members may serve one additional term of office with the approval of ~~LR's trustee~~ the Board. The term of the Chairman may be extended with the approval of ~~LR's trustee~~ the Board.

3.8 Any proposal of the Technical Committee involving any alteration in, or addition to, ~~Part 1, Chapter 1 of Rules for Classification is referred to LR's Trustee which has agreed to seek the comments of the Lloyd's Register Holding's General Committee of Trustees before adopting the proposal~~ subject to approval of the Board. All other proposals for additions to or alterations to the Rules for Classification will, following approval by the Technical Committee, be submitted to the Board for adoption.

## ■ Section 4

4.1 LR's Naval Ship Technical Committee (hereinafter referred to as 'the NSTC') is at present composed of up to 50 members and includes nominees of:

- The Royal Navy and the UK Ministry of Defence;
- The Defence Evaluation and Research Agency;
- UK Shipbuilders, Ship Repairers and Defence Industry;
- Overseas Governments and Governmental Agencies;
- Overseas Shipbuilders, Ship Repairers and Defence Industries;
- Various maritime bodies and institutions, nominated by the NSTC;
- The Chairman of ~~LRI~~ LR and Chairman of the Classification Committee who are *ex officio* members.

4.2 All elections are subject to confirmation by ~~LR's trustee~~ the Board.

4.4 The term of office of the NSTC Chairman and of all members of the NSTC is five years. Members may serve one additional term of office with the approval of ~~LR's trustee~~ the Board. The term of the Chairman may be extended with the approval of ~~LR's trustee~~ the Board.

4.8 Following approval by the NSTC, details of new Rules (or amendments) will be submitted to ~~LR's trustee which will seek comments from LRI's General Committee of Trustees before adopting any changes~~ the Board for adoption.

## ■ Section 5

5.1 LR has the power to adopt, and publish as deemed necessary, Rules relating to Classification and has (in relation thereto) provided the following:

- (a) Except in the case of a special directive by ~~LR's trustee~~ the Board, no new Regulation or alteration to any existing Regulation relating to classification or to class notations is to be applied to existing ships.
- (b) Except in the case of a special directive by ~~LR's trustee~~ the Board, or where changes necessitated by mandatory implementation of International Conventions, Codes or Unified Requirements adopted by the International Association of Classification Societies are concerned, no new Rule or alteration in any existing Rule is to be applied compulsorily after the date on which the contract between the ship builder and shipowner for construction of the ship has been signed, nor within six months of its adoption. The date of 'contract for construction' of a ship is the date on which the contract to build the ship is signed between the prospective shipowner and the ship builder. This date and the construction number (i.e. hull numbers) of all the vessels included in the contract are to be declared by the party applying for the assignment of class to a newbuilding. The date of 'contract for construction' of a series of sister ships, including specified optional ships for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective shipowner and the ship builder. In this section a 'series of sister ships' is a series of ships built to the same approved plans for classification purposes, under a single contract for construction. The optional ships will be considered part of the same series of sister ships if the option is exercised not later than 1 year after the contract to build the series was signed. If a contract for construction is later amended to include additional ships or additional options, the date of 'contract for construction' for such ships is the date on which the amendment to the contract is signed between the prospective shipowner and the ship builder. The amendment to the contract is to be considered as a 'new contract'. If a contract for construction is amended to change the ship type, the date of 'contract for construction' of this modified vessel, or vessels, is the date on which the revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder. Where it is desired to use existing approved ship or machinery plans for a new contract, written application is to be made to LR. Sister ships may have minor design alterations provided that such alterations do not affect matters related to classification.
- ~~(e) That it will, in all cases, consult with LRI's General Committee of Trustees before passing any Rule amendment.~~
- (c) All reports of survey are to be made by Surveyors authorised by members of the LR Group to survey and report (hereinafter referred to as 'the Surveyors') according to the form prescribed, and submitted for the consideration of the Classification Committee.

## Part 1, Chapter 1

- ⇒ (d) Information contained in the reports of classification and statutory surveys will be made available to the relevant owner, National Administration, Port State Administration, P&I Club, hull underwriter and, if authorized in writing by that owner, to any other person or organization.
- (e) Notwithstanding the general duty of confidentiality owed by LR to its client in accordance with the LR Rules, LR clients hereby accept that, LR will participate in the IACS Early Warning System which requires each IACS member to provide its fellow IACS members and Associates with relevant technical information on serious hull structural and engineering systems failures, as defined in the IACS Early Warning System (but not including any drawings relating to the ship which may be the specific property of another party), to enable such useful information to be shared and utilised to facilitate the proper working of the IACS Early Warning System LR will provide its client with written details of such information upon sending the same to IACS Members and Associates.

## Volume 1, Part 1, Chapter 2

### Classification Regulations

#### CORRIGENDA

#### ■ Section 4

#### **Surveys – General**

#### 4.5 Existing ships – Periodical Surveys

4.5.5 Classification details and Survey requirements for **In-water Surveys** are given in Section 7 and Ch 3,4.3 respectively. ~~A Docking~~ An In-water Survey can be carried out in lieu of ~~an In-water~~ a Docking Survey for inspection of the underwater hull and appendages between the Docking Surveys that are to be carried out concurrently with the Special Survey. The date of the last In-water Survey will be recorded in the Supplement to the *Register Book*, preceded with the notation **\*IWS**.

## Volume 2, Part 2, Chapter 1

### Diesel Engines

#### CORRIGENDA

#### ■ Section 9

#### **Control and monitoring**

#### 9.7 Diesel engines for propulsion purposes

(Part only shown)

**Table 1.9.2 Auxiliary diesel engines: Alarms and shutdowns**

Item	Alarm	Note
Lubricating oil inlet temperature	High	—
Lubricating oil inlet pressure	1st stage low	—
	2nd stage low	Automatic shutdown of engine, see 9.6.2
Oil mist concentration in crankcase or bearing temperature	High	Automatic shutdown of engine, see 9.1.2
Oil fuel high pressure piping	Leakage	See <del>9.1.2</del> 9.6.3

#### ■ Section 11

#### **Mass produced engines**

#### 11.2 Procedure for approval of mass produced engines

11.2.2 For the approval of a mass produced engine type, the manufacturer is to submit, in addition to the plans and particulars required by ~~Pt 2, Ch 1 2.1~~, a list of sub-contractors for main parts.

#### ■ Section 12

#### **Mass produced turbo-chargers**

#### 12.2 Procedure for approval of mass produced turbo-chargers

12.2.2 For the approval of a mass produced turbo-charger, the manufacturer is to submit, in addition to the plans and particulars required by ~~Pt 2, Ch 1 2.1~~ as applicable, a list of main current suppliers and subcontractors for rotating parts and an operation and maintenance manual.

#### ■ Section 14

#### **Type testing procedure for crankcase oil mist detection/monitoring and alarm arrangements equipment**

## **Volume 2, Part 2, Chapter 1 & Volume 3, Part 1 Chapter 7**

### ■ *Section 15* **Electronically controlled engines**

#### **15.2 Plans and particulars**

*(Part only shown)*

15.2.2 In addition to the plans and particulars required by Part 9 the following information for control, alarm, monitoring and safety systems relating to the operation of an electronically controlled engine is to be submitted:

- (l) System integration plan.
- (m) Failure Mode and Effects Analysis (FMEA). See Pt 2, Ch 1, ~~2.1.6~~ 2.1.5.
- (n) Factory acceptance, integration, harbour and sea trials/test schedules for hardware and software.

## **Volume 2, Part 9, Chapter 1** **Control Engineering Systems**

**Effective date 1 January 2009**

### ■ *Section 2* **Essential features for control, alarm and safety systems**

#### **2.9 Programmable electronic systems – General requirements**

2.9.9 System configuration, programs and data are to be protected against loss or corruption in the event of failure of any power supply. ~~Wherever practical, safe and effective system operation is not to rely on data stored in volatile memory.~~ For Mobility category and safety critical systems, see 2.11.6.

## **Volume 3, Part 1, Chapter 7** **Replenishment at Sea (RAS) Systems**

### **CORRIGENDUM**

### ■ *Section 1* **General requirements**

#### **1.1 Application**

1.1.5 NATO interoperability requirements are to be specified by the Owner/Operator and are detailed in ~~APT16~~ ATP16 (latest version).



All references in the Rules for Naval Ships to 'NBC' and 'NBCD' are to be changed to 'CBRN'. Instances can be found in the following sub-Sections and paragraphs:

## Volume 1, Part 3, Chapter 2

1.3.3.2  
1.3.3.3

## Volume 1, Part 3, Chapter 4

1.1.6  
2.1.2

## Volume 1, Part 4, Chapter 1

2.2.3	7.2.4
Table 1.3.1	7.2.5
7.1.1 ( <i>Two instances</i> )	7.3.1
7.1.2	7.3.3
7.1.5	7.4.2
7.2.1	7.5.2
7.2.2	7.6
7.2.3	7.6.1

## Volume 2, Part 1, Chapter 2

3.3.10 ( <i>Three instances</i> )	4.12.2
3.3.14(a)	4.12.11
4.9.2	4.12.13
4.12	5.11.4
4.12.1 ( <i>Three instances</i> )	

## Volume 2, Part 7, Chapter 5

8.2.5  
9.2.2

## Volume 2, Part 11, Chapter 1

3.4.6

## Volume 2, Part 11, Chapter 2

1.2.6  
2.6.3  
3.1.1  
3.1.2(g) (*Two instances*)  
3.1.2(h)  
3.3.1 (*Three instances*)

## Volume 2, Part 11, Chapter 3

1.2.7  
3.1.10

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Registered office  
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